

(19)



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(11)

EP 1 097 725 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
20.03.2002 Bulletin 2002/12

(51) Int Cl. 7: **A61M 1/36, A61B 5/0215**

(43) Date of publication A2:
09.05.2001 Bulletin 2001/19

(21) Application number: **00109155.2**

(22) Date of filing: **08.05.2000**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**

Designated Extension States:
AL LT LV MK RO SI

(30) Priority: **08.11.1999 IT BO990602**

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(54) Transducer protection device, particularly for hemodialysis processes

(57) A transducer protection device, particularly for hemodialysis processes, which comprises a first element (2) and a second element (3) made of plastics which are coupled coaxially with respect to a common axis (A) and respectively comprise a first tubular connector (4) and a second tubular connector (5) which are blended with respective flanges (6,7) which are coaxial to the common axis (A); the flanges (6,7) are coupled to each other along their peripheral region by ultrasonic thermal bonding; the device has a recess (8) formed

frontally on a first one (6) of the flanges, the recess (8) being coaxial to the common axis (A) and being suitable for accommodating, in a fixed arrangement, a semipermeable membrane (15) by imbibition of melted plastics along a circular border region (25) by the thermal bonding provided on a circular ridge (20) which is shaped complementarily to the border region (25) and protrudes frontally from the second flange (7) so as to achieve bonding between the first (6) and second (7) flanges and the membrane (15).

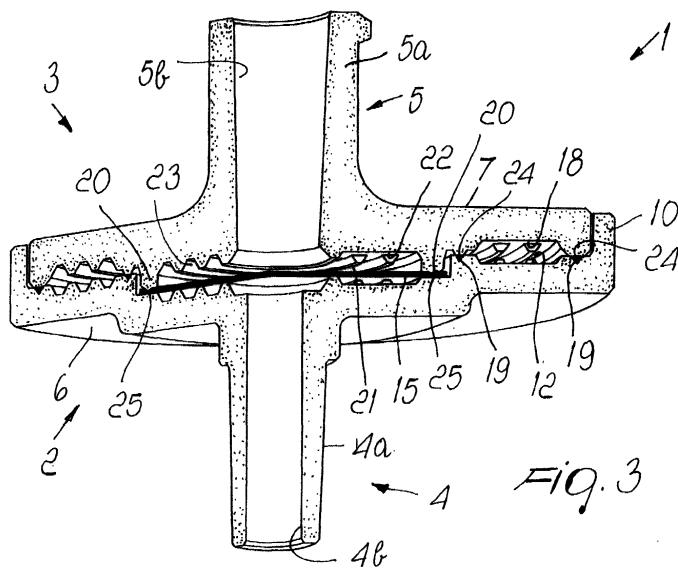


Fig. 3



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			A61M A61B
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search		Examiner
BERLIN	23 January 2002		Weihs, J
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone	T : theory or principle underlying the invention		
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P : intermediate document	& : member of the same patent family, corresponding document		

**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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